

Docket No.: 203384US55CONT

31033 U.S. PTO
09/784077
02/16/01

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :
Shunji NATSUKA et al. : ATTN: APPLICATION DIVISION
SERIAL NO: NEW APPLICATION :
FILED: HERewith :

FOR: MURINE ALPHA (1,3) FUCOSYLTRANSFERASE FUC-TVII, DNA ENCODING
THE SAME, METHOD FOR PREPARING THE SAME, ANTIBODIES
RECOGNIZING THE SAME, IMMUNOASSAYS FOR DETECTING THE SAME,
PLASMIDS CONTAINING SUCH DNA, AND CELLS CONTAINING SUCH A
PLASMID

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to the examination on the merits, please amend the above-identified application
as follows.

IN THE SPECIFICATION

Page 1, after line 7, please insert

--This invention was made in part with Government support under Grant No.
GM47455 awarded from the National Institute of Health. The U.S. government has certain
rights in this invention.

This application is a Continuation of U.S. Patent Application Serial No. 08/613,098,
filed on March 8, 1996, now pending.--

Page 10, line 20, after "gene", insert --(SEQ ID NO: 1, 2)--.

Page 47, line 10, after "primer", insert --(SEQ ID NO: 3)--.

line 11, after "primer", insert --(SEQ ID NO: 4)--.

After page 82 (Abstract), please insert the attached Sequence Listing.

IN THE CLAIMS

Please cancel Claims 1-16.

Please add the following new claims.

--17. An isolated sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

18. The DNA sequence of Claim 17, which comprises a DNA subsequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

19. The DNA sequence of Claim 17, which comprises a DNA subsequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

20. A plasmid, comprising a sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

21. The plasmid of Claim 20, which comprises a DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

22. The plasmid of Claim 20, which comprises a DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

23. A transformed cell, which comprises a plasmid comprising a sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

24. The transformed cell of Claim 23, wherein said plasmid comprises a DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

25. The transformed cell of Claim 23, wherein said plasmid comprises a DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

26. A method for producing a polypeptide, comprising culturing a transformed cell, which comprises a plasmid comprising a sequence of DNA which encodes a polypeptide having an amino acid sequence which comprises an amino acid subsequence, said amino acid subsequence being selected from the group consisting of:

(a) the amino acid sequence encoded by the DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1; and

(b) the amino acid sequence encoded by the DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

27. The method of Claim 26, wherein said plasmid comprises a DNA sequence corresponding to from position 996 to 1149 and 2067 to 3079 of SEQ ID NO: 1.

28. The method of Claim 26, wherein said plasmid comprises a DNA sequence corresponding to from position 1947 to 1959 and 2067 to 3079 of SEQ ID NO: 1.

29. An isolated sequence of DNA, which comprises a DNA subsequence corresponding to from position 996 to 3079 of SEQ ID NO: 1.

30. An isolated sequence of DNA, which comprises a DNA subsequence corresponding to from position 1947 to 3079 of SEQ ID NO: 1.

31. A plasmid, which comprises a DNA subsequence corresponding to from position 996 to 3079 of SEQ ID NO: 1.

32. A plasmid, which comprises a DNA subsequence corresponding to from position 1947 to 3079 of SEQ ID NO: 1.

33. A transformed cell, which comprises a plasmid and said plasmid comprises a DNA subsequence corresponding to from position 996 to 3079 of SEQ ID NO: 1.

34. A transformed cell, which comprises a plasmid and said plasmid comprises a DNA subsequence corresponding to from position 1947 to 3079 of SEQ ID NO: 1.--

SUPPORT FOR THE AMENDMENTS

The specification has been amended to insert (1) a statement of government support, (2) a reference to the parent application, and sequence identifiers (SEQ ID NO:). Newly added Claims 17-25 are supported by original Claims 2-10. Newly added Claims 26-28 are supported by original Claim 16. Newly added Claims 29-34 are supported by original Claims 14 and 15. No new matter is believed to have been added to this application by these amendments.

A Sequence Listing is attached. In lieu of a submission of a computer-readable Sequence Listing (CRF) in the present application, Applicants submit that the Office use the CRF submitted in the parent application, U.S. Patent Application Serial No. 08/613,098, submitted on April 15, 1997. Applicants confirm that the sequence information submitted in the Sequence Listing submitted herewith is the same as in the CRF submitted in the parent application. No new matter has been added to this application by the submission of the Sequence Listing.

REMARKS

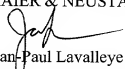
Claims 17-34 are pending in this application.

This application is a Continuation of U.S. Patent Application Serial No. 08/613,098, filed on March 8, 1996. Claims 17-34 are the same as the Claims 17-34 submitted in the parent application.

Applicants submit that the application is now in condition for examination on the merits. Early notice of such action is earnestly solicited.

Respectfully submitted,

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